

**COMPOSITE HIGH FREQUENCY COMPONENT AND MOBILE
COMMUNICATION DEVICE INCLUDING THE SAME**

ABSTRACT OF DISCLOSURE

The invention provides a composite high frequency component constituting a part of a microwave circuit having plural signal paths corresponding to their respective frequencies, comprising: a diplexer for coupling transmitting signals from the plural signal paths for transmission and distributing receiving signals into said plural signal paths for reception; plural high frequency switches for separating the plural signal paths into a transmission section and a reception section, respectively; plural filters introduced in the signal paths; said diplexer, said high frequency switch, and said filters being integrated into a ceramic multi-layer substrate formed by lamination of plural ceramic sheet layers. According to the above described composite high frequency component, the diplexer, the high frequency switches, and the filters which constitute the composite high frequency component are integrated into the ceramic multi-layer substrate formed by lamination of plural ceramic sheet layers. Thus, the matching and adjustment between the diplexer and the high frequency switches can be easily performed. It is unnecessary to provide a matching circuit for matching and adjusting the diplexer and the high frequency switches, and moreover, the high frequency switches and the filters.